

WHAT IS CLAIMED IS:

1. In a Thin Client Sizing Tool for configuring one or more Server Farms which optimize a network suitable for an enterprise which supports a given customer profile, a method for establishing the memory requirements for the Farm configuration comprising the steps of:

(a) calculating the memory requirements for each User-type utilizing each application available;

10 (b) utilizing the number of Servers required for the optimum Server configuration;

(c) calculating the memory requirements for each Server.

2. The method of claim 1 which includes the step of:

5 (d) developing the total memory requirements for the configuration by dividing the total memory requirements by the number of Servers.

3. The method of Claim 1 wherein step (a) includes the steps of:

(a1) accessing from a sizing database the memory requirements for each application being utilized;

(a2) incrementing the memory requirements by adding the product of the MAX FUNCTION times the number of Users, where the MAX FUNCTION is the larger number MX of either the MA [amount of memory allocated for each application by the operating system] or MS [the amount of Server memory needed for each operating system to allocate for each User];

(a3) repeating step (a2) for each operating system involved.

4. The method of claim 3 wherein step (a1) includes the steps of:

(a1a) determining if the application involved is MS-DOS or 16-bit oriented;

(a1b) if (a1a) is a YES, then incrementing by 25% the amount of memory allocated for each application by the operating system involved.

5. The method of claim 1 wherein step (c) includes the steps of:

(c1) calculating the number of Servers needed for an optimal configuration;

5 (c2) determining the type of operating system for each server;

(c3) calculating the required server memory for each server;

10 (c4) determining that said optimal server configuration involves just one server;

(c5) querying to see if the individual Server memory requirement is less than 100 MB;

15 (c6) if step (c5) is YES, then rounding-off the value of server memory to the nearest whole number.

6. The method of claim 5 which includes the step of:

(c7) accessing Server information from a Server Information Database.

7. The method of claim 5 wherein step (c3) includes the step of:

5 (c3a) dividing the total server memory required for the optimal configuration by the total number of servers involved.

8. The method of claim 5 wherein step (b5) includes the step of:

5 (c4a) determining that said optimal server configuration involves more than one server;

(c4b) if step (c4a) is YES, then incrementing the memory requirement for each server by 64 MB.

9. The method of claim 5 wherein step (c5) includes the steps of:

5

(c5a) querying to see if the individual server memory requirement is equal to or greater than 1,000 MB;

(c5b) if step (c5a) is YES, then converting each server memory requirement to Gigabytes;

10

(c5c) establishing the total memory requirements TM as the smallest number, Nm, of either Ox (maximum amount of operating system memory) or Oy (maximum server memory required).

10. A system for aiding a Thin Client Sizing Tool used to configure an optimal one or more Server Farms for a customer profile, by establishing the memory requirements for the Server Farm configuration, said  
5 system comprising:

(a) server information database means for holding benchmark and information data on selected servers;

10 (b) sizing database means for storing the optimal number of servers for a customer profile and the Availability level of each server;

15 (c) configuration database template means for providing a format to collect information from data on window screens input as a customer's profile;

(d) configuration session database means for holding and supplying data to an Application Delivery Solution Configuration means;

20 (e) said Application Delivery Solution configuration means for executing algorithms to develop an optimized configuration for a Server Farm;

25 (f) means for developing a customer profile of requirements via inputting data on a series of window screens;

[illegible]



11. A method for determining the memory requirements for a Thin Client Sizing Tool comprising the steps of:

5 (a) acquiring information from a set of database means regarding the operating systems involved, the types of Users, the applications involved, and the number of Users for each application and each operating system;

10 (b) accessing information from a server database means as to the memory requirements for each User of each application, and the memory requirement for each operating system;

15 (c) establishing the number and type of servers for an optimal solution for the customer profile;

(d) calculating the total memory required for the optimal server configuration;

(e) calculating the memory for each server.

12. The method of claim 11 wherein step (e) includes the steps of:

(e1) determining that the optimal solution involves more than one (1) server;

5 (e2) incrementing the memory requirement by 64 MB for each server.

13. The method of claim 11 wherein step (e) includes the steps of:

(ea) determining that the optimal solution requires only one Server;

5 (eb) establishing that the memory requirement per server is less than 1,000 Mega Bytes;

10 (ec) rounding-out the final memory requirement per server to the nearest 0.5 Gigabytes.